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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Applicati n Number	10/028,521
Filing Date	Decemb r 20, 2001
First Nam d Inventor	Powers, Scott
Group Art Unit	
Examiner Name	Not yet assigned
Attorney Docket Number	018781-004730US

Total Number of Pages in This Submission

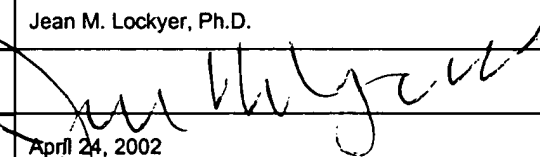
**ENCLOSURES (check all that apply)**

- |   |  |   |
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| <input type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><input type="checkbox"/> Amendment / Response<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input checked="" type="checkbox"/> Information Disclosure Statement with 10 references<br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Response to Missing Parts/ Incomplete Application<br><input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Assignment Papers (for an Application)<br><input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition<br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) | <input type="checkbox"/> After Allowance Communication to Group<br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):<br>Return Postcard, Copy of corresponding International Search Report |
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Remarks

The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.

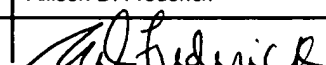
**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm and Individual name	Townsend and Townsend and Crew LLP Jean M. Lockyer, Ph.D.	Reg. No. 44,879
Signature		
Date	April 24, 2002	

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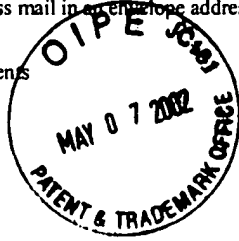
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Washington, D.C. 20231

PATENT  
Attorney Docket No.: 018781-004730US

On 4/24/02

TOWNSEND and TOWNSEND and CREW LLP

By: *Ad Frederica*



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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Scott Powers  
Jianzin Yang

Application No.: 10/028,521

Filed: December 20, 2001

For: NOVEL G-PROTEIN COUPLED  
RECEPTORS

Examiner: Not yet assigned

Art Unit:

INFORMATION DISCLOSURE  
STATEMENT UNDER 37 CFR §1.97 and  
§1.98

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

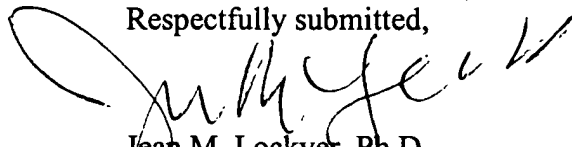
The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. In accordance with 37 CFR §1.98(d), copies of the references can be found in Application No. 09/546,986 filed 04/11/2000 (Attorney Docket No. 18781-004720US). It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant

information, and no inference should be made that the information and references are cited are, or are considered to be material to patentability because they are in this statement. No inference should be made that the information and references cited are prior art merely because they are in this statement.

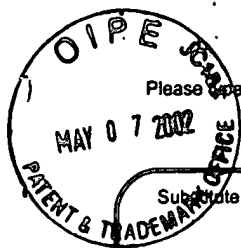
Applicant believes that no fee is required for submission of this statement, since it is being submitted prior to the mailing of the first Office Action. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



Jean M. Lockyer, Ph.D.  
Reg. No. 44,879

TOWNSEND and TOWNSEND and CREW LLP  
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JML:adf



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PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0851-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

2

Complete if Known

Application Number

10/028,521

Filing Date

December 20, 2001

First Named Inventor

Powers, Scott

Group Art Unit

Examiner Name

Not yet assigned

Attorney Docket Number

018781-004730US

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### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	B1	PCT	WO 96/30406	A1	Human Genome Sciences, Inc.	10-03-1996		
	B2	PCT	WO 01/27158	A2	Digiscents and Yeda Research	04-19-2001		
	B3	PCT	WO 01/68805	A2	Senomyx, Inc.	09-20-2001		

Examiner  
Signature

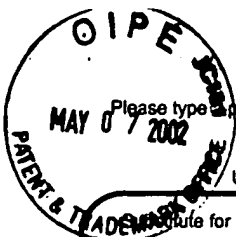
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<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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PTO/SB/08B (08-00)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet **2** of **2**

### Complete If Known

Applicati n Number	10/028,521
Filing Date	D cember 20, 2001
First Named Invent r	Powers, Scott
Group Art Unit	
Examiner Name	Not yet assigned
Attorney Docket Number	018781-004730US

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### OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	C1	Birren, B. <i>et al.</i> "Homo sapiens chromosome 18, clone RP11-482N10" DATABASE GENEMBL (Online) Accession AC023386, nucleotides 98850-993300 and nucleotides 75400-76070.	
	C2	Buck, <i>et al.</i> "A Novel Multigene Family May Encode Odorant Receptors: A Molecular Basis for Odor Recognition" <i>Cell</i> (April 1991) Vol. 65, pp. 175-187.	
	C3	Carmeci, <i>et al.</i> "Identification of a Gene (GPR30) with Homology to the G-Protein-Coupled Receptor Superfamily Associated with Estrogen Receptor Expression in Breast Cancer" <i>Genomics</i> (November 1997) Vol. 45(3); pp. 607-617.	
	C4	Drutel, G. <i>et al.</i> "Cloning of OL1, A Putative Olfactory Receptor and Its Expression in the Developing Rat Heart" <i>Receptors and Channels</i> (1995) Vo. 3, pp. 33-40.	
	C5	Mikayama, <i>et al.</i> "Molecular Cloning and Functional Expression of a cDNA Encoding Glycosylation-inhibition Factor" <i>Proc. Natl. Acad. Sci. USA</i> (November 1993) Vol. 90, pp. 10056-10060.	
	C6	Nef, <i>et al.</i> "Spatial Pattern of Receptor Expression in the Olfactory Epithelium" <i>Proc. of Nat. Acad. Sci. USA</i> (October 1992) Vol. 89; pp. 8948-8952.	
	C7	Voet, <i>et al.</i> "Sickle-Cell Anemia: The Influence of Natural Selection" <i>Biochemistry</i> , 10th Ed. published by John Wiley & Sons, Inc. (1990), pp. 228-234.	

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